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Kotlow

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(54) **WEAPON AND LAUNCHER TEST SET (WALT)**

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(58) **Field of Search** 701/35, 36; 73/167; 89/1.8, 1.809, 5; 102/399; 114/18

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U.S. PATENT DOCUMENTS

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(57) **ABSTRACT**

A portable data acquisition system for use in certifying torpedo tube-launched weapons such as a Mark 48/ADCAP, a Tomahawk missile or a Harpoon and the like. The system includes a portable computer, a rugged four slot chassis, a 32 channel multiplexing module, a four channel isolation amplifier with excitation, eight channel isolation amplifier, a custom signal conditioning module, an associated terminal block and interface cables. The system has the unique feature of obtaining live data for quick analysis about the launched weapon using the torpedo tube as opposed to the post launch data for analysis. All the components are housed in a shock resilient and weather-tight container.

21 Claims, 6 Drawing Sheets